# Cytometer Performance Report

| | | | |
|---|---|---|---|
| Cytometer: | FACSCantoII | User: | Administrator |
| Cytometer Name: | FACSCantoII | Institution: | N/A |
| Serial Number: | V33896201821 | Software: | BD FACSDiva 8.0.2 |
| Input Device: | Carousel | Date: | 01/06/2020 09:40 AM |
| Tube Loaded Manually: | Yes | Cytometer Baseline: | 10/08/2019 01:46 PM |
| Cytometer Configuration: | Euroflow 3-laser, 8-color (4-2-2) | P/F: | Pass |

## Setup Beads

| | | | |
|---|---|---|---|
| Bead Product: | CST Setup Beads | Part #: | 910859 |
| Lot ID: | 80996 | Expiration Date: | 04/30/2020 |
| Bead Lot Information: | Available | | |

## Detector Settings

| Laser | Detector | Parameter | Target Value | Actual Target Value | % Difference Target Value | Bright Bead % Robust CV | Mid Bead Median Channel | Mid Bead % Robust CV |
|---|---|---|---|---|---|---|---|---|
| Blue | FSC | FSC | 125000 | 124872 | -1 | 1.95 | 125003 | 1.95 |
| Blue | F | SSC | 125000 | 124416 | -1 | 1.68 | 125231 | 1.66 |
| Blue | E | FITC | 16433 | 16027 | -3 | 2.70 | 349 | 19.56 |
| Blue | D | PE | 27595 | 27506 | -1 | 1.90 | 602 | 14.64 |
| Blue | B | PerCP-Cy5-5 | 43183 | 42630 | -2 | 3.61 | 1145 | 19.83 |
| Blue | A | PE-Cy7 | 31943 | 32346 | 1 | 5.98 | 621 | 40.43 |
| Red | C | APC | 42819 | 42487 | -1 | 2.42 | 1503 | 12.18 |
| Red | A | APC-Cy7 | 31261 | 30462 | -3 | 2.37 | 807 | 12.12 |
| Violet | B | V450 | 6527 | 6367 | -3 | 4.59 | 359 | 13.25 |
| Violet | A | V500 | 24533 | 23733 | -4 | 4.39 | 554 | 10.81 |

## Detector Settings (Continued)

| Laser | Detector | Parameter | Dim Bead Median Channel | Dim Bead % Robust CV | PMTV | Δ PMTV | Qr | Br | P/F |
|---|---|---|---|---|---|---|---|---|---|
| Blue | FSC | FSC | 17794 | 10.14 | 614 | 14 | N/A | N/A | Pass |
| Blue | F | SSC | 56652 | 1.20 | 554 | 6 | N/A | N/A | Pass |
| Blue | E | FITC | 63 | 62.06 | 540 | 1 | 0.0210 | 107 | Pass |
| Blue | D | PE | 126 | 48.84 | 538 | 4 | 0.1608 | 257 | Pass |
| Blue | B | PerCP-Cy5-5 | 209 | 47.32 | 650 | 8 | 0.0094 | 11 | Pass |
| Blue | A | PE-Cy7 | 115 | 96.94 | 698 | 9 | 0.0109 | 6 | Pass |
| Red | C | APC | 360 | 25.12 | 581 | -2 | 0.0240 | 128 | Pass |
| Red | A | APC-Cy7 | 177 | 29.05 | 560 | -3 | 0.0054 | 891 | Pass |
| Violet | B | V450 | 57 | 59.30 | 447 | -8 | 0.0554 | 2472 | Pass |
| Violet | A | V500 | 83 | 34.78 | 458 | -9 | 0.0222 | 904 | Pass |

## Specifications

| | |
|---|---|
| PMTV Delta from baseline: | 50 (BD) |
| Violet Laser Primary Channel Bright Bead %Robust CV: | 6.00 (Recommended) |
| Blue Laser Primary Channel Bright Bead %Robust CV: | 6.00 (Recommended) |
| Red Laser Primary Channel Bright Bead %Robust CV: | 6.00 (Recommended) |

# Cytometer Performance Report

| | | | |
|---|---|---|---|
| Cytometer: | FACSCantoII | User: | Administrator |
| Cytometer Name: | FACSCantoII | Institution: | N/A |
| Serial Number: | V33896201821 | Software: | BD FACSDiva 8.0.2 |
| Input Device: | Carousel | Date: | 01/06/2020 09:40 AM |
| Tube Loaded Manually: | Yes | Cytometer Baseline: | 10/08/2019 01:46 PM |
| Cytometer Configuration: | Euroflow 3-laser, 8-color (4-2-2) | P/F: | Pass |

## Laser Settings

| Laser | Power (mW) | Power Spec. (mW) | Current (mA) | Current Guidelines (mA) | Delay (Trigger on FSC) | Delay (Trigger on Fluorescence) | Area Scaling Factor |
|---|---|---|---|---|---|---|---|
| Violet | 59.55 | 47.98 - 71.98 | N/A | N/A | -32.20 | -31.83 | 1.04 |
| Blue | 20.34 | 16.27 - 24.41 | 1.26 | 0.99 - 1.49 | 0.00 | 0.00 | 1.49 |
| Red | 15.89 | 13.60 - 20.40 | N/A | N/A | 29.31 | 29.80 | 1.20 |

Window Extension: 7.00
FSC Area Scaling Factor: 0.91

## Threshold

Threshold (FSC): 10251

## Fluidics

FACSFlow Pressure: 3.90 Sample Pressure: 3.60
Spec.: 3.80 - 4.00

Comments